

Program Registration & Fees:

The operator training program uses an electronic registration process that facilitates online registration and payment options, including credit cards. This format also allows participants to create and manage their own student records to track class participation and print completion certificates.

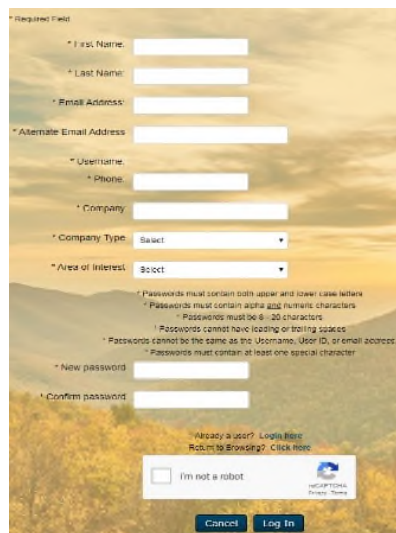
The online method must be used to register for all wastewater operator training workshops. No paper registration forms will be accepted; however payment by check will still be acceptable option.

Environmental Learning Management System (ELMS) Registration:

DEQ's Environmental Learning Management System (ELMS) is an online Learning Management System that can be used to enroll in DEQ classroom courses. If you already have a profile in the Virginia Learning Center (VLC) database, you will need to create a new username and password to register with the ELMS.

In order to create your profile in the ELMS, kindly follow the link below:

<https://vadeq.csod.com/client/vadeq/default.aspx>

A screenshot of the ELMS registration form. It includes fields for First Name, Last Name, Email Address, Alternate Email Address, Username, Phone, Company, Company Type (dropdown), and Area of Interest (dropdown). Below these fields are password requirements: Passwords must contain both upper and lower case letters, Passwords must contain alpha-numeric characters, Passwords must be 6-20 characters, Passwords cannot have leading or trailing spaces, Passwords cannot be the same as the Username, User ID, or email address, and Passwords must contain at least one special character. There are fields for New password and Confirm password. At the bottom, there are links for 'Already a user? Login Here' and 'Return to Brower? Click here', a checkbox for 'I'm not a robot', and 'Cancel' and 'Log In' buttons.

For additional information regarding the registration process contact DEQ, program staff.

Program Content:

Current programs have been selected based on identified needs and location availability. These programs and others are offered periodically, at different locations, throughout the year. If you would like to receive notification, by email, contact the operator training program staff.

Complete descriptions of the training programs are available upon request.

Program Approval:

Unless otherwise noted, these courses have been approved by the Virginia Board for Waterworks and Wastewater Works Operators and Onsite Sewage System Professionals for training credits. Approved programs can, when applicable, be used as substitution for required operational experience.

Continuing Professional Education (CPE):

Where appropriate, these workshops can be used for continuing professional education (CPE) requirements as defined by the Board. Registrants will typically receive up to 7 contact hours for each full day of completed training and 3.5 contact hours for each ½ day of completed training.

A full day is defined as 8:30 am – 4:30 pm minus 1 hour for lunch. A ½ day is defined as 8:30am – 12 noon (or 1:00pm – 4:30pm).

Additional Information:

For additional program information contact DEQ program staff:

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Wastewater Operator Training Programs



August – December 2019

Operator Training and Assistance Program
Water Permitting Division
Department of Environmental Quality
P.O. Box 1105
Richmond, Virginia 23218

DEQ, Wastewater Operator Training Program List
August– December 2019

Course #	Course Name	Dates	Location	Price
DEQ 100	Wastewater Works Operators Licensure Review	July 16 – 19 T- TH 8:30 AM – 4:30 PM Fri. 8:30 AM – 12:30 PM	Chesterfield County Public Works Operations Center	\$262.50
DEQ 18	Introduction to Biological Nutrient Removal (BNR)	August 27 8:30 PM- 4:30 PM	King George Water Authority Dahlgren, VA	\$75.00
DEQ 18	Introduction to Biological Nutrient Removal (BNR)	August 28 8:30 PM- 4:30 PM	King George Water Authority Dahlgren, VA	\$75.00
DEQ 18	Introduction to Biological Nutrient Removal (BNR)	September 17 8:30 PM- 4:30 PM	Totopotomoy WWTP Mechanicsville, VA	\$75.00
DEQ 100	Wastewater Works Operators Licensure Review	September 24 - 27 T- TH 8:30 AM – 4:30 PM Fri. 8:30 AM – 12:30 PM	HRSD Headquarters Virginia Beach, VA	\$262.50
DEQ 100	Wastewater Works Operators Licensure Review	October 8 - 10 T- TH 8:30 AM – 4:30 PM Fri. 8:30 AM – 12:30 PM	Opequon WRF- Winchester, VA	\$262.50
DEQ 100	Activated Sludge Process Control, Part 4 (BNR Process Control)	October 15 - 16 8:30 AM - 4:30 PM	DEQ, Piedmont Regional Office Glenn Allen, VA	\$150.00
DEQ 100	Activated Sludge Process Control, Part 4 (BNR Process Control)	November 5 - 6 8:30 AM - 4:30 PM	Middle River WWTP Verona, VA	\$150.00
DEQ 100	Wastewater Works Operators Licensure Review	November 19 - 22 T- TH 8:30 AM – 4:30 PM Fri. 8:30 AM – 12:30 PM	Henrico WRF- Varina, VA	\$262.50
DEQ 100	Activated Sludge Process Control, Part 4 (BNR Process Control)	December 10 -11 8:30 AM - 4:30 PM	DEQ, Blue Ridge Regional Office, Roanoke, VA	\$150.00

Program Descriptions:

DEQ 18: Introduction to Biological Nutrient Removal (BNR)

This one (1) day workshop provides an introduction to the principles involved in biological nutrient removal. The focus of the program will be the suspended growth (activated sludge) BNR processes. The program will discuss the basic concepts associated with biological nutrient removal (nitrification, denitrification and biological phosphorus removal). It will identify performance factors, provide typical operating ranges for many of these factors and review various design and operational configurations currently being used for BNR. The program's hands on activities will include observation of an BNR activated sludge system. Managers, operators and operator trainees of BNR activated sludge treatment systems will find this program very helpful.

DEQ 13: Activated Sludge Process Control (ASPC), Part 4 (BNR Process Control and Troubleshooting)

This two (2) day workshop provides the knowledge and skills required to monitor and adjust the operation of an activated sludge treatment plant utilizing biological nutrient removal (BNR). The program will focus on basic concepts (Nitrification, Denitrification, and Enhanced Biological Phosphorus Removal), process observations, process control testing (i.e., Ammonia, nitrite/nitrate, phosphorus and alkalinity), and basic troubleshooting strategies. The program's hands on activities will include observation of an BNR activated sludge system, collection and analysis of process control samples, and data analysis. Managers, operators and operator trainees of BNR activated sludge treatment systems will find this program very helpful.

DEQ 100: Wastewater Works Operators Licensure Review

These three and one-half day workshops provide a comprehensive overview of the subject matter covered in all classes (Class 4 – 1) of the Association of Board of Certifications (ABC) Virginia wastewater licensing examinations. The programs will focus on the information outlined in the Candidate Information Bulletin (CIB) provided by the exam vendor. The programs do not teach the actual licensing exams, and no actual exam questions are used as examples or in class evaluation processes (quizzes and final exams). However, there will be many examples of practice questions covered during the workshop. Operators and operator trainees of wastewater treatment plants who are planning to take the ABC wastewater works licensing exams will find this program very helpful. ***This class qualifies for Utility Management CPE contact hours.**